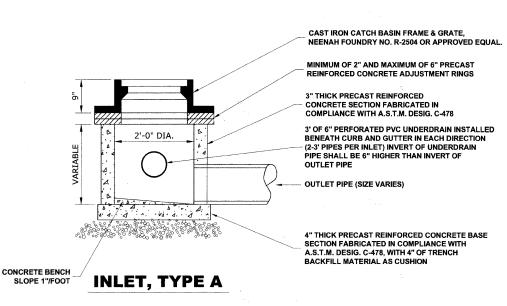


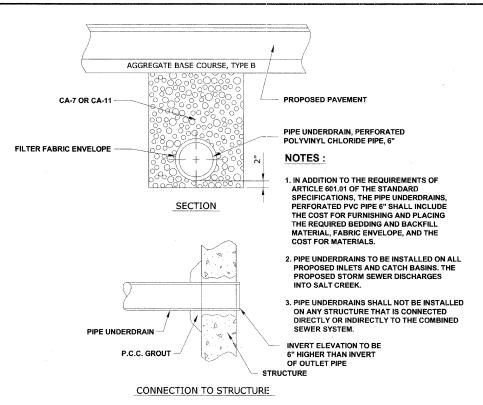
DUCTILE IRON PIPE SPECIFICATIONS

1. ALL DUCTILE IRON PIPE WATER MAINS AND SEWER MAINS SHALL BE CLASS 52. CEMENT-LINED AND TAR-COATED, MEETING THE REQUIREMENTS OF SPECIFICATIONS ANSI/AWWA C151/A21.51 WITH
"PUSH-ON" JOINTS MEETING THE REQUIREMENTS OF SPECIFICATIONS ANSI/AWWA C111/A21.11. WHERE SPECIFIED ON THE PLANS, OR IN THE SPECIFICATIONS, MECHANICAL JOINTS AND "LOCK-TYPE" JOINTS SHALL BE USED IN LIEU OF "PUSH-ON" JOINTS.

2 ALL PIPE FITTINGS AND SPECIAL CASTINGS SHALL BE DUCTILE IRON CONFORMING TO ANSI/AWWA C153/A21.53 AND ANSI/AWWA C111/A21.11 SPECIFICATIONS AND SHALL MEET THE MINIMUM REQUIREMENTS OF CLASS 150 DUCTILE IRON PIPE. IF CERTAIN FITTINGS ARE NOT MANUFACTURED IN DUCTILE IRON, CAST IRON FITTINGS SHALL BE ACCEPTABLE. MECHANICAL JOINT TYPE FITTINGS SHALL

3. ALL PROPOSED DUCTILE IRON PIPE WATER MAIN AND SEWER MAIN WILL BE ENCASED WITHIN EIGHT (8) MIL THICK, HIGH-DENSITY POLYETHYLENE TUBING. ALL FITTINGS SHALL BE ENCASED IN A
DOUBLE-LAYER OF POLYETHYLENE TUBING. THE POLYETHYLENE MATERIAL SHALL BE MANUFACTURED AND INSTALLED IN COMPLIANCE WITH ANSI/AWWA C105/A21.5. ALL PROPOSED WATER AND SEW SERVICES SHALL BE ENCASED IN POLYETHYLENE TUBING FOR A MINIMUM DISTANCE OF THREE FEET (3') FROM THE PROPOSED WATER MAIN AND SEWER MAIN.





 \bigcirc

CAST IRON MANHOLE FRAME AND GRATE, NEENAH FOUNDRY NO. R-2504 OR APPROVED

MINIMUM OF 2" AND MAXIMUM OF 6" OF PRECAST REINFORCED CONCRETE ADJUSTMENT RINGS

PRECAST REINFORCED CONCRETE FLAT TOP

(SEE I.D.O.T. STANDARD 602601-02 FOR REINFORCEMENT)

PRECAST REINFORCED CONCRETE SECTIONS FABRICATED IN ACCORDANCE WITH A.S.T.M. DESIG. C-478

3' OF 6" PERFORATED PVC UNDERDRAIN INSTALLED BENEATH CURB AND GUTTER IN EACH DIRECTION

(2-3' PIPES PER CATCH BASIN) INVERT OF UNDERDRAIN

PIPE SHALL BE 6" HIGHER THAN INVERT OF

PRECAST REINFORCED CONCRETE BASE SECTION

FABRICATED IN ACCORDANCE WITH A.S.T.M. DESIGN C-478, WITH 4" TRENCH BACKFILL MATERIAL AS CUSHION

OUTLET PIPE (DEPTH AND SIZE VARIES)

OUTLET PIPE

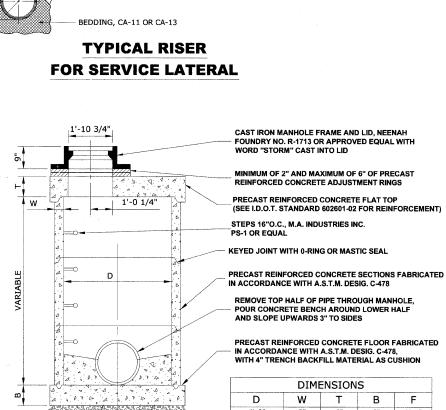
PLAN VIEW

SERVICE PIPE

CONNECT TO PROPOSED

TRENCH WALL-

PIPE UNDERDRAIN DETAIL



PROVIDE UNIFORM BEARING FOR 1/4

OF BARREL CIRCUMFERENCE

MAXIMUM SLOPE (SLOPE TO BE LESS THAN 1:1

WHEN NECESSARY TO SECURE BEDDING IN

UNDISTURBED FARTH)

| | DIME | NOTON | 5 | |
|-------|------|-------|----|-------|
| D | W | Т | В | F |
| 4'-0" | 5" | 6" | 6" | 5'-0" |
| 5'-0" | 5" | 8" | 8" | 6'-0" |

RESTRICTED DEPTH STORM MANHOLE

RESTRICTED DEPTH CATCH BASIN

. 0 . 4 4 . 0 . 4 4 . 0

| HANCOCK USER NAME - | DESIGNED - WOP, JO DRAWN - MK, DM | | STATE OF ILLINOIS | DRAINAGE AND UTILITIES | ROUTE NO. FAU 1694 | SECTION 07-00122-01-PV | COUNTY | TOTAL SHEET SHEETS NO. |
|---|--------------------------------------|--------------|------------------------------|--|---|---------------------------|----------|------------------------|
| ◆ Civil Engineers **Ost Reserved Road Weisharter, Hinds 60194-2019 **Plante: 768466-000 **PLOT SCALE - **Plante: 768466-000 **Plante: 768466-000 | CHECKED - WOP, J | IG REVISED - | DEPARTMENT OF TRANSPORTATION | DETAILS | FIELD BOO | | CONTRACT | NO. 63651 |
| ♦ Established 1911 Fat: 766-985-1212 PLOT DATE - | DATE - 10-24-1 | 1 REVISED - | | SCALE: NOT TO SCALE SHEET NO. 2 OF 3 SHEETS STA TO STA | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(875) | | | |

E.H.E. PROJECT NO. 125-09-2320